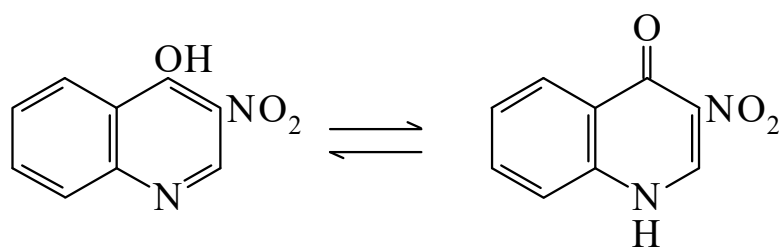




>>Entry Name: 4-Hydroxy-3-nitroquinoline

Synonym(s): 3-Nitro-4-quinolinol. 3-Nitro-4(1*H*)-quinolinone



CAS Registry Number: 50332-66-6

Extra CAS Registry Numbers(s): 125836-07-9

Molecular Formula: C₉H₆N₂O₃

Molecular Weight: 190.158

Accurate Mass: 190.037843

Percentage Composition: C 56.85%; H 3.18%; N 14.73%; O 25.24%

Physical Description: Tan cryst. (EtOH or PhNO₂)

Melting Point: Mp 343-345°

Solubility: Sol. alkalis

>>Variant: *NH*-form

Molecular Formula: C₉H₆N₂O₃

Molecular Weight: 190.158

Accurate Mass: 190.037843

Percentage Composition: C 56.85%; H 3.18%; N 14.73%; O 25.24%

>>Derivative: *N*-Me

Molecular Formula: C₁₀H₈N₂O₃

Molecular Weight: 204.185

Accurate Mass: 204.053493

Percentage Composition: C 58.82%; H 3.95%; N 13.72%; O 23.51%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 227-229°

>>Derivative: *N*-Et

Molecular Formula: C₁₁H₁₀N₂O₃

Molecular Weight: 218.212

Accurate Mass: 218.069143

Percentage Composition: C 60.55%; H 4.62%; N 12.84%; O 22.00%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 202°

>>Variant: *OH*-form

Molecular Formula: C₉H₆N₂O₃

Molecular Weight: 190.158

Accurate Mass: 190.037843

Percentage Composition: C 56.85%; H 3.18%; N 14.73%; O 25.24%

>>Derivative: Me ether

Synonym(s): 4-Methoxy-3-nitroquinoline

Molecular Formula: C₁₀H₈N₂O₃

Molecular Weight: 204.185

Accurate Mass: 204.053493

Percentage Composition: C 58.82%; H 3.95%; N 13.72%; O 23.51%

Melting Point: Mp 98-100°